



May 23, 2016

Matt Vallevand,

Enclosed is the lead testing water results for the Bright Horizons at One Campus Martius location. Please feel free to reach out to me if you need any additional information.

Sincerely,

A handwritten signature in dark ink, appearing to read "Jacqui Arndt".

Jacqui Arndt

Center Director

Bright Horizons at One Campus Martius

Jacqueline.arndt@brighthorizons.com

313-329-6370 ext. 201



2105 Pless Drive • Brighton, Michigan 48114 • Phone (810) 229-7575 • Fax (810) 229-8650 • E-mail bai-brighton@sbcglobal.net

May 19, 2016

H-O-H Water Technology
1013 Rig Street
Walled Lake, MI 48390

Subject: Bedrock

Dear Mr. Zielinski :

Thank you for making Brighton Analytical, L.L.C. your laboratory of choice. Attached are the results for the samples submitted on 05/16/2016 for the above mentioned project. NELAP/TNI Accredited Analysis and MDEQ Drinking Water Certified Analysis will be identified in their respective reporting formats. Hard copies can be supplied at your request for a fee of \$20.00 per copy.

The invoice for this project will be emailed separately. If you have any questions concerning the data or invoice, please don't hesitate to contact our office. We welcome your comments and suggestions to improve our quality systems. Please reference Brighton Analytical, L.L.C. Project ID 39085 when calling or emailing. We thank you for this opportunity to partner with you on this project and hope to work with you again in the future.

Sincerely,
Brighton Analytical, L.L.C.





Brighton Analytical, L.L.C.™
Email: bal.brighton@docbase.net
2105 Pless Drive
Brighton, MI 48114
Phone: 810-229-7575
Fax: 810-229-8650

PROJECT NAME: Bedrock

PROJECT #:

PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

Sample collected by:

REQUESTED TURNAROUND: (circle one)
Rush: 1 - 3 business days (verify with lab & specify date needed)
1 Day = 2.5X Cost 2 Day = 3X Cost 3 Day = 1.5X Cost
Standard: 5 business days

If RUSH,
approved by:

Sample Coll.

Date

Time

VOA'S (PRES) Y N N/A

HDPE UNPRESERVED

HDPE HNO₃

HDPE H₂SO₄

HDPE NaOH

AMBER PRESERVED?

GLASS, NO PRESERVATIVE

STERILIZED BACTERIA

MEDIA Preserved Y N

BA PROJECT #: 39085
ABBREVIATIONS
FOR MATRIX
S = Solid
L = Liquid
DW = Drinking H₂O
O = Oil
P = Wipe
A = Air (Glove bag)
F = Filter
T = Tube
M = Misc.

Sample Matrix

Analysis Requested/Method

PAGE ____ OF ____

COMPANY/MAILING ADDRESS:

Kyle Zielinski

HH Water Technology

ATTN:

PHONE: 248-225-5405

FAX OR EMAIL: K.Zielinski@hhwatertechnology.com

Samples received within hold time? yes ☒ no ☐

Temperature of samples °C:

pHs verified in login? yes ☒ no ☐

Headspace/bubbles in VOA's? yes ☐ no ☒ N/A ☒

Sample containers and COC match? yes ☒ no ☐

BILLING ADDRESS (IF REQUIRED)

Brighton ID #	Sample Description	Date	Time	VOA'S (PRES) Y N N/A	HDPE UNPRESERVED	HDPE HNO ₃	HDPE H ₂ SO ₄	HDPE NaOH	AMBER PRESERVED?	GLASS, NO PRESERVATIVE	STERILIZED BACTERIA	MEDIA Preserved Y N
CO3324	Infant Room 6	5/16	6:00 AM		1							
15	At Room	5/16	6:00 AM		1							
16	Drinking	5/16	6:00 AM		1							
17	Pre-School Room #2	5/16	6:00 AM		1							
18	Toddler Room 2	5/16	6:00 AM		1							
19	Infant Room 5	5/16	6:00 AM		1							
7)												
8)												
9)												
10)												

Special Instructions:

Please fill out the Chain of Custody completely and review. Incorrect or incomplete information will result in a "hold" on all analyses.

Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:
1	<u>Kyle Zielinski</u>	<u>Deal</u>	<u>5.16.16</u>	<u>3:30 PM</u>	3				
2					4				



Brighton Analytical LLC
2105 Pless Drive
Brighton, Michigan 48114
Phone: (810)229-7575 (810)229-8650
e-mail: bai-brighton@sbcglobal.net
MDNRE Certified #9404
NELAC Accredited #176507

Sample Date/Time: 5/16/2016 06:00
Submit Date/Time: 5/16/2016 15:30
Report Date: 5/19/2016

H-O-H Water Technology
1013 Rig Street
Walled Lake, MI 48390

BA Project # **39085**
BA Sample ID **CD03014**

Project Name: **Bedrock**
Project Number:
Sample ID: **Infant Room 6**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	110	ug/L	20	1300	EPA 200.8 rev5.4	20:00	05/18/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	20:00	05/18/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date


5/19/16



Brighton Analytical LLC
2105 Pless Drive
Brighton, Michigan 48114
Phone: (810)229-7575 (810)229-8650
e-mail: bai-brighton@sbcglobal.net
MDNRE Certified #9404
NELAC Accredited #176507

Sample Date/Time: 5/16/2016 06:00
Submit Date/Time: 5/16/2016 15:30
Report Date: 5/19/2016

H-O-H Water Technology
1013 Rig Street
Walled Lake, MI 48390

BA Project # **39085**
BA Sample ID **CD03015**

Project Name: **Bedrock**
Project Number:
Sample ID: **Art Room**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	250	ug/L	20	1300	EPA 200.8 rev5.4	20:05	05/18/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	20:05	05/18/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date


5/18/16



Brighton Analytical LLC
2105 Pless Drive
Brighton, Michigan 48114
Phone: (810)229-7575 (810)229-8650
e-mail: bai-brighton@sbcglobal.net
MDNRE Certified #9404
NELAC Accredited #176507

Sample Date/Time: 5/16/2016 06:00
Submit Date/Time: 5/16/2016 15:30
Report Date: 5/19/2016

H-O-H Water Technology
1013 Rig Street
Walled Lake, MI 48390

BA Project # 39085
BA Sample ID CD03016

Project Name: **Bedrock**
Project Number:
Sample ID: **Drinking**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	460	ug/L	20	1300	EPA 200.8 rev5.4	20:50	05/18/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	20:50	05/18/2016


RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date


5/17/16



Brighton Analytical LLC
2105 Pless Drive
Brighton, Michigan 48114
Phone: (810)229-7575 (810)229-8650
e-mail: bai-brighton@sbcglobal.net
MDNRE Certified #9404
NELAC Accredited #176507

Sample Date/Time: 5/16/2016 06:00
Submit Date/Time: 5/16/2016 15:30
Report Date: 5/19/2016

H-O-H Water Technology
1013 Rig Street
Walled Lake, MI 48390

BA Project # **39085**
BA Sample ID **CD03017**

Project Name: **Bedrock**
Project Number:
Sample ID: **Pre-School Room #2**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	100	ug/L	20	1300	EPA 200.8 rev5.4	20:55	05/18/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	20:55	05/18/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date


5/18/16



Brighton Analytical LLC
2105 Pless Drive
Brighton, Michigan 48114
Phone: (810)229-7575 (810)229-8650
e-mail: bai-brighton@sbcglobal.net
MDNRE Certified #9404
NELAC Accredited #176507

Sample Date/Time: 5/16/2016 06:00
Submit Date/Time: 5/16/2016 15:30
Report Date: 5/19/2016

H-O-H Water Technology
1013 Rig Street
Walled Lake, MI 48390

BA Project # **39085**
BA Sample ID **CD03018**

Project Name: **Bedrock**
Project Number:
Sample ID: **Toddler Room 7**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	180	ug/L	20	1300	EPA 200.8 rev5.4	20:59	05/18/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	20:59	05/18/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by 

Date 5/19/16



Brighton Analytical LLC
2105 Pless Drive
Brighton, Michigan 48114
Phone: (810)229-7575 (810)229-8650
e-mail: bai-brighton@sbcglobal.net
MDNRE Certified #9404
NELAC Accredited #176507

Sample Date/Time: 5/16/2016 06:00
Submit Date/Time: 5/16/2016 15:30
Report Date: 5/19/2016

H-O-H Water Technology
1013 Rig Street
Walled Lake, MI 48390

BA Project # **39085**
BA Sample ID **CD03019**

Project Name: **Bedrock**
Project Number:
Sample ID: **Infant Room 5**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	80	ug/L	20	1300	EPA 200.8 rev5.4	21:04	05/18/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	21:04	05/18/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date


5/19/16



BRIGHTON ANALYTICAL, LLC

**QUALITY ASSURANCE/QUALITY
CONTROL**

ICP-MS

EPA METHOD 200.8/6020

REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 5/18/2016

Standard ID: 050416 H2O

Batch: 5/17/2016 W3

Matrix Spike Lab ID: CD02990

Matrix: Total

Analyst: LT

Metals	Matrix Spike - Precision *			Matrix Spike - Accuracy**				Miscellaneous***		
	Matrix Spike (ug/L)	Matrix Spike Dup (ug/L)	RPD (%)	Spk Conc (ug/L)	MS Recovery (%)	MSD Recovery (%)	Sample Conc (ug/L)	Method Blk (ug/L)	LCS-Method STD (%)	Ind. Std. SPEX 1&3 (%)
Copper	1316	1327	0.8	1000	96.2	97.3	354	<1	99.8	98.0
Lead	966	974	0.8	1000	96.5	97.3	1	<1	97.4	94.2

* Matrix spike precision range +/- 20% RPD

** Matrix spike accuracy range +/- 30% recovery

*** LCS accuracy range +/- 15% recovery / Ind std accuracy range +/- 10% recovery

Comments: _____

ICP-MS

EPA METHOD 200.8/6020

REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 5/18/2016	Standard ID: 050416 H2O	Batch: 5/17/2016 W4
Matrix Spike Lab ID: CD02943	Matrix: <u> Total </u>	Analyst: <u> LT </u>

Metals	Matrix Spike - Precision *			Matrix Spike - Accuracy**				Miscellaneous***		
	Matrix Spike (ug/L)	Matrix Spike Dup (ug/L)	RPD (%)	Spk Conc (ug/L)	MS Recovery (%)	MSD Recovery (%)	Sample Conc (ug/L)	Method Blk (ug/L)	LCS-Method STD (%)	Ind. Std. SPEX 1&3 (%)
Copper	997	1059	6.0	1000	96.8	103.0	29	<1	100.3	98.0
Arsenic	951	1012	6.2	1000	95.1	101.2	0	<1	95.9	94.0
Lead	948	953	0.5	1000	94.8	95.3	0	<1	96.1	94.2

* Matrix spike precision range +/- 20% RPD

** Matrix spike accuracy range +/- 30% recovery

*** LCS accuracy range +/- 15% recovery / Ind std accuracy range +/- 10% recovery

Comments: _____

